



## MEMORANDUM

Date: November 7, 2005

To: Scott Ward, Classic Communities

From: Norman Wong

**Subject: *Preliminary Assessment of Traffic Impacts for Southbay Christian Center at 521 and 529 Weddell Drive in Sunnyvale, California***

SJ05-788

This memorandum presents a preliminary assessment of potential impacts from the proposed Southbay Christian Center located at 521 and 529 Weddell Drive in Sunnyvale, California. The site is located adjacent to the Korean Catholic Mission Church.

### Worship Schedule

The Sunday worship schedule and estimated attendance for both churches is presented below:

#### *Proposed Southbay Christian Center*

<u>Time</u>	<u>Attendance</u>
9:30 AM (education service)	45
10:45 AM (full worship)	105 (includes 45 that arrived earlier for the education service)

#### *Existing Korean Catholic Mission*

<u>Time</u>	<u>Attendance</u>
8:00 AM	75
9:30 AM	150
11:00 AM	400
2:30 PM	75

Based upon the worship schedule, the peak period for both churches occurs between 10:45 and 11:00 AM with approximately 460 people arriving to the area (400 people attending the Korean church and 60 people attending the Southbay church).

### Potential Impacts

Based upon counts conducted at two existing churches in Salinas and data from similar studies, an average vehicle occupancy of 2.25 persons was calculated. Applying this occupancy rate to the number of people in attendance at the churches during the peak period results in an estimate of approximately 200 vehicles arriving on-site.

Typically, traffic volumes during the Sunday morning period are lower than volumes during a weekday morning. With the additional 200 vehicles, it is estimated that there would be no significant impacts to the area due to the lower weekend background volumes. Traffic counts would need to be conducted to verify this assumption.

The proposed parking supply includes 210 spaces (136 spaces at 521 Weddell Drive and 74 spaces at 539 Weddell Drive). The proposed parking supply would accommodate the Sunday parking demand generated by the 105 members from the Southbay Christian Center.